

The listing of claims presented below replaces all prior versions and listings of claims in the application.

Listing of Claims

Claims 1-27 (cancelled)

28. (Currently Amended) A method ~~of changing~~ for improving physical work capacity of a subject without a detectable change in plasma IGF-1 ~~concentrations~~ concentration said method including ingestion of a colostrum fraction, by a process including the steps of:

(a) subjecting colostrum to ultrafiltration to obtain an ultrafiltered colostrum retentate including colostrum derived growth factors and casein as said fraction and

(b) subjecting the colostrum retentate fraction to a spray drying process wherein after ingestion of the colostrum fraction the one or more of endurance, ability to do more exercise, fatigue and recovery from exercise ~~physical work capacity~~ is improved.

29. (Currently Amended) The A method according to claim 28, wherein the colostrum fraction is prepared by a process which further includes the step of bacterial reduction utilizing centrifugation.

30. (Currently Amended) The A method according to claim 29, wherein the step of bacterial reduction utilizes flow-through centrifugation.

31. (Currently Amended) The A method according to claim 30, wherein throughput and ~~thereby~~ residence time of the colostrum fraction is controlled during the centrifugation.

32. (Currently Amended) The A method according to claim 29, wherein the centrifugation is undertaken at a temperature less than 72°C.

33. (Currently Amended) The A method according to claim 32, wherein the centrifugation is undertaken at a temperature less than 64°C.

34. (Currently Amended) The A method according to claim 28, wherein the process further includes heating the colostrum fraction to a temperature less than 72°C.

35. (Currently Amended) The A method according to claim 34, wherein the process further includes heating the colostrum fraction to a temperature less than 64°C.

36. (Currently Amended) The A method according to claim 28, wherein the colostrum fraction includes IGF-1.

37. (Currently Amended) The A method according to claim 28, wherein at least 0.5g/kg/day of said colostrum fraction is ingested.

38. (Currently Amended) The A method according to claim 28, wherein from 1 to 10 g/kg/day of said colostrum fraction is ingested.

39. (Currently Amended) The A method according to claim 28, wherein the colostrum fraction is ingested daily over a period of at least 4 weeks.

Claims 40-45 (canceled).

46. (Currently Amended) The A method according to claim 28, wherein the physical improvement in work capacity includes the capacity to increase ~~de~~ exercise performance selected from the group consisting of ~~including~~ running, walking, jumping, sprinting, knee extensions, knee flexions, squatting, lifting, kicking and resisted and non-resisted exercises ~~and events~~.

Claims 47-74 (canceled).

75. (Currently Amended) The ~~A~~ method according to claim 28, wherein improvement in the physical work capacity of the subject is monitored by at least one of the testing procedures selected from the group consisting of body mass and stature, resting blood pressure, thigh and calf girths, fat mass and fat free mass, blood sampling and determination of serum creatine kinase concentrations.